



#6a 6.2.97
T. Gray

51 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 30523/125

In re patent application of
William H. Velander, et al.
Serial No. 08/443,184
Filed: May 17, 1995
For: TRANSGENIC FIBRINOGEN

Group Art Unit: 1819?
Examiner: Stanton, B.

RESPONSE UNDER 37 CFR \$1.111 AND \$1.605

Assistant Commissioner for Patents
Washington, D.C. 20231

RECEIVED
MAY 30 1997
GROUP 1800

Sir:

In partial response to the Office Action mailed April 11, 1997, please amend the above-identified application as follows:

IN THE CLAIMS:

Please add the following new claims:

--32. A method for producing biologically active human fibrinogen that is converted to fibrin upon reaction with human thrombin comprising:

providing a first DNA segment encoding a secretion signal operably linked to a heterologous fibrinogen A α chain, a second DNA segment encoding a secretion signal operably linked to a heterologous fibrinogen B β chain, and a third DNA segment encoding a secretion signal operably linked to a heterologous fibrinogen γ chain, wherein each chain is from the same species, and wherein each of said first, second and third segments is operably linked to additional DNA segments required for its expression in the mammary gland of a host female mammal;

introducing said DNA segments into a fertilized egg of a donor mammalian species heterologous to the species of origin of said fibrinogen chains;

06/02/1997 RJOHNSON 00000005 DAH:190741 08443184
Sale Ref: 00865031 DAH:190741 08443184
01 FC:103 22.00 CH